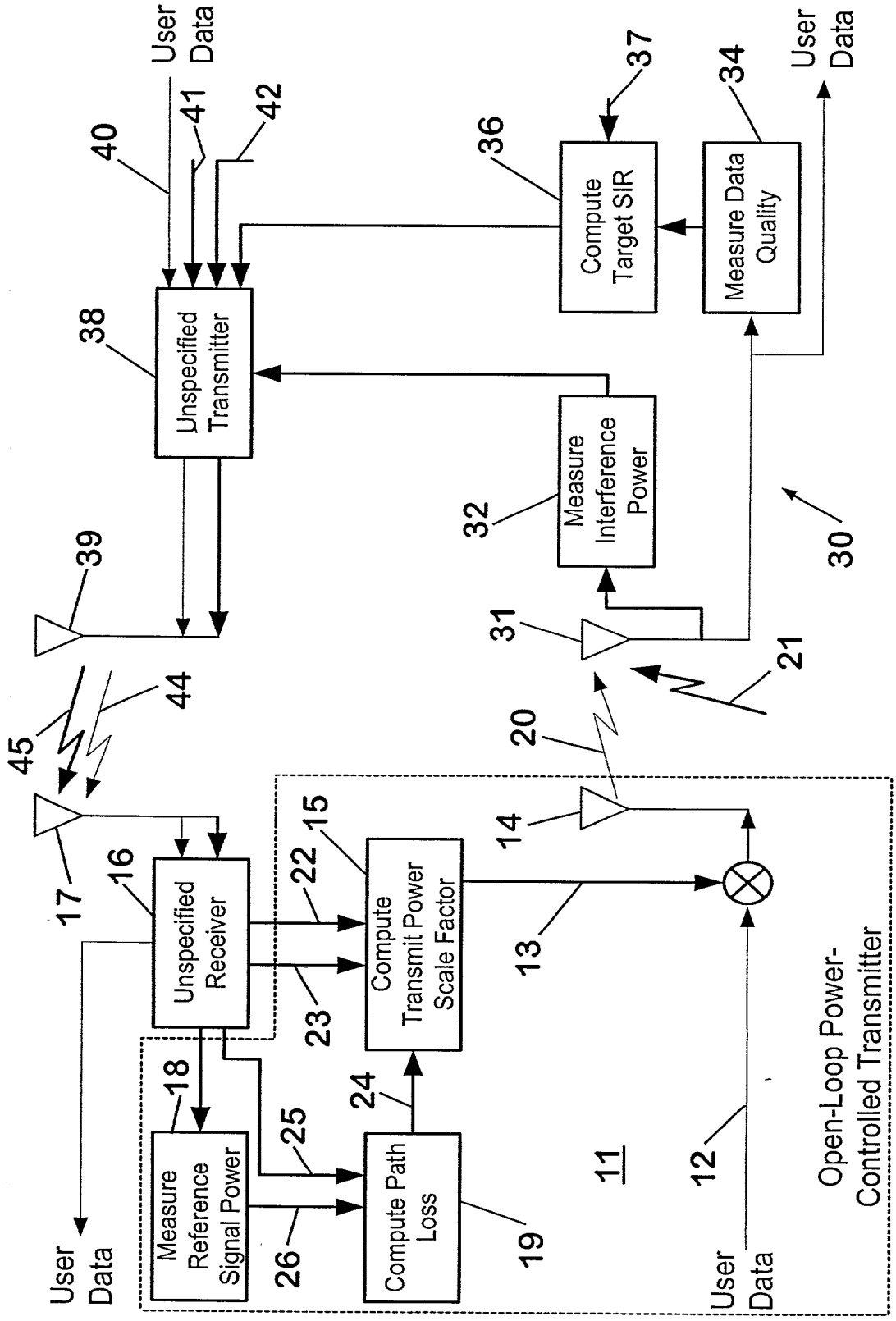

FIG. 1
(PRIOR ART)

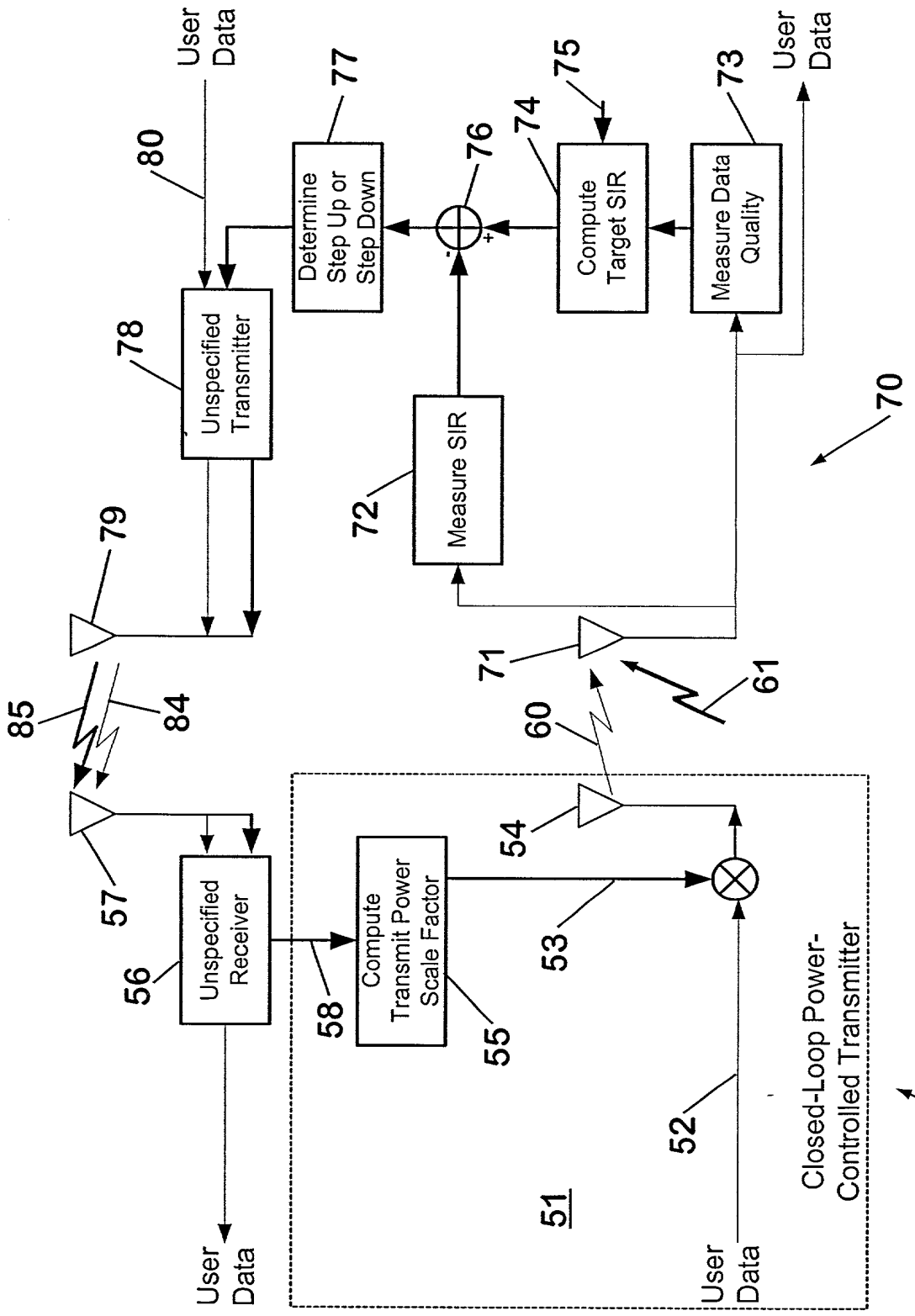

FIG. 2
(PRIOR ART)

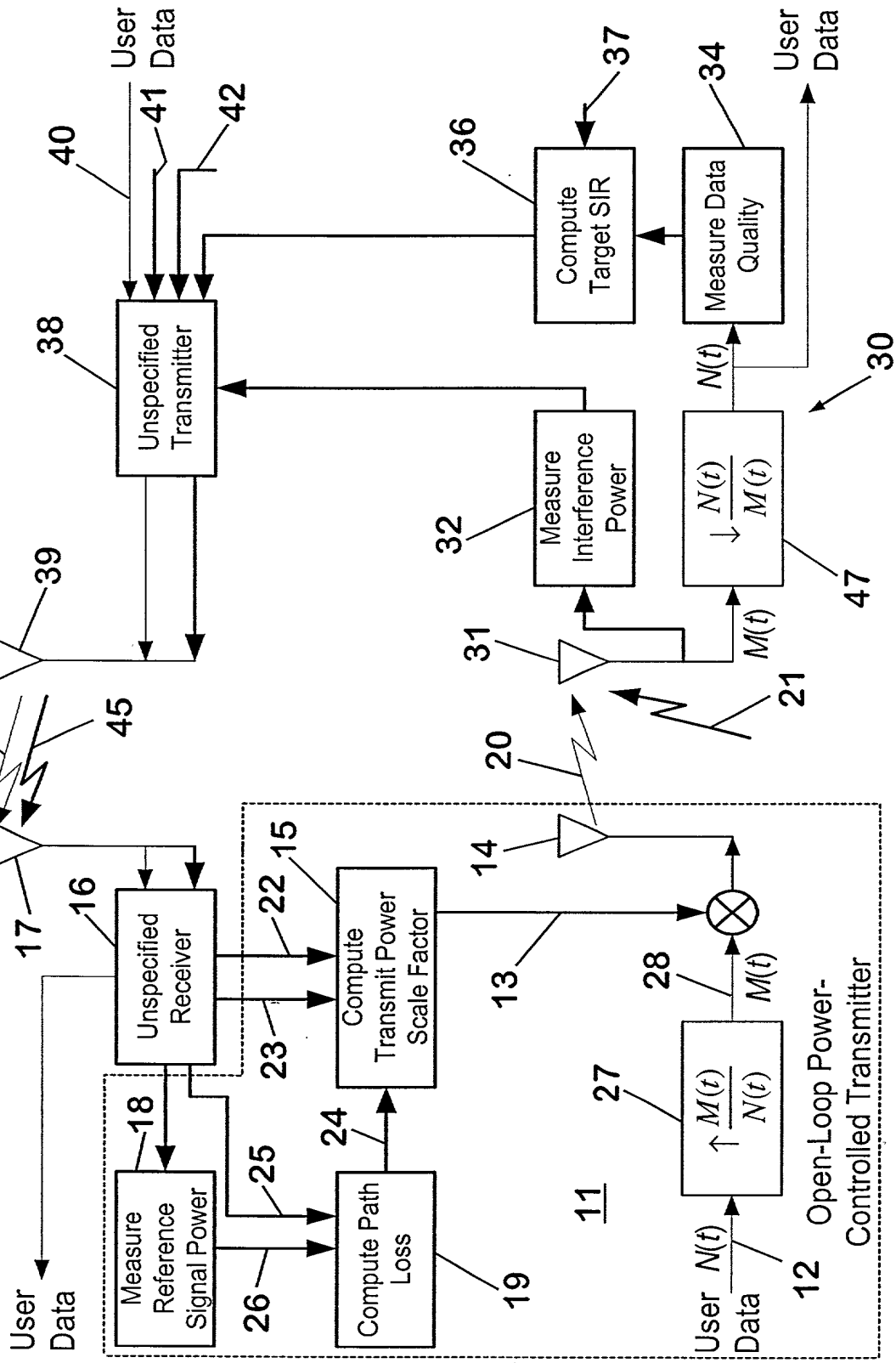

FIG. 3
(PRIOR ART)

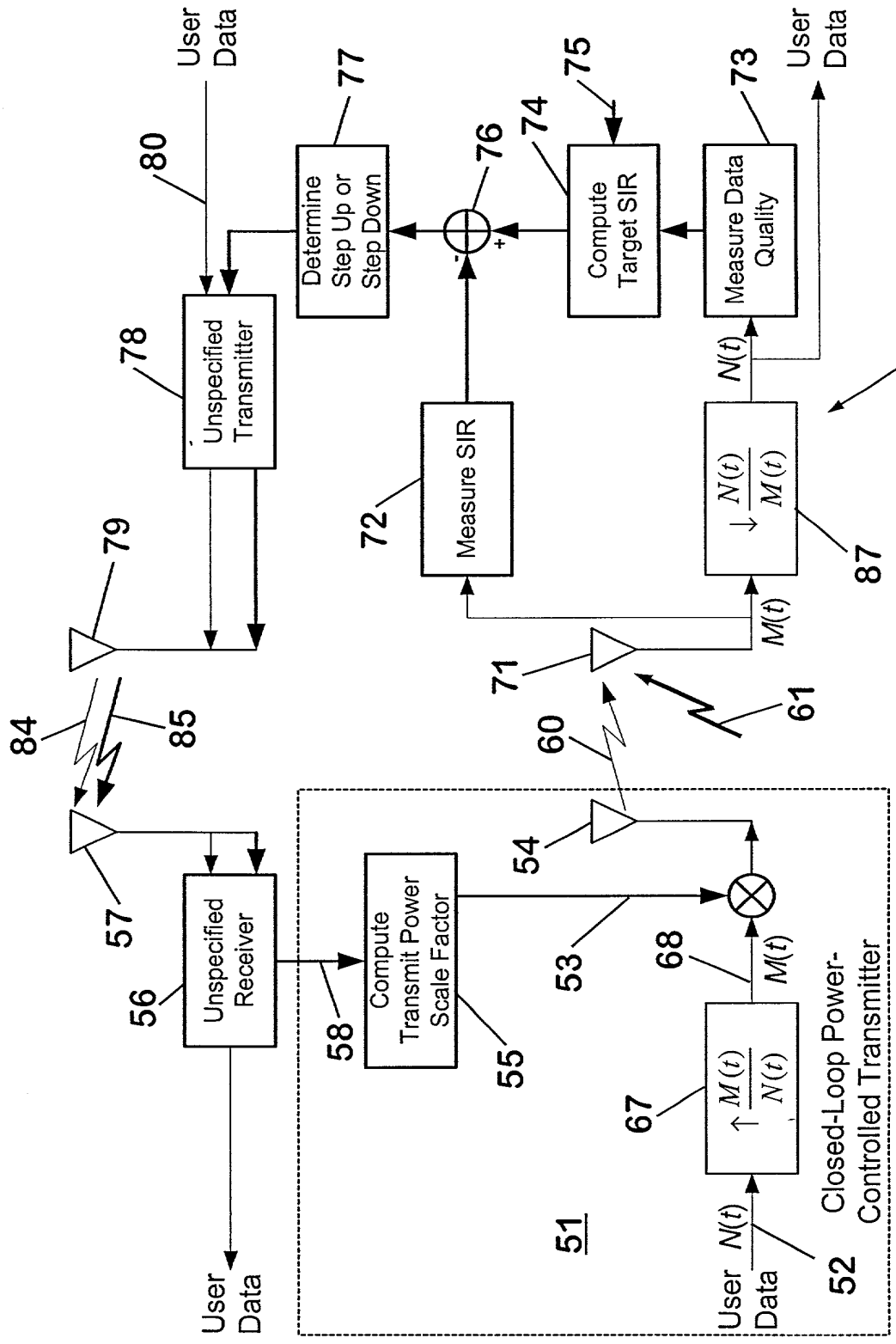

FIG. 4
(PRIOR ART)

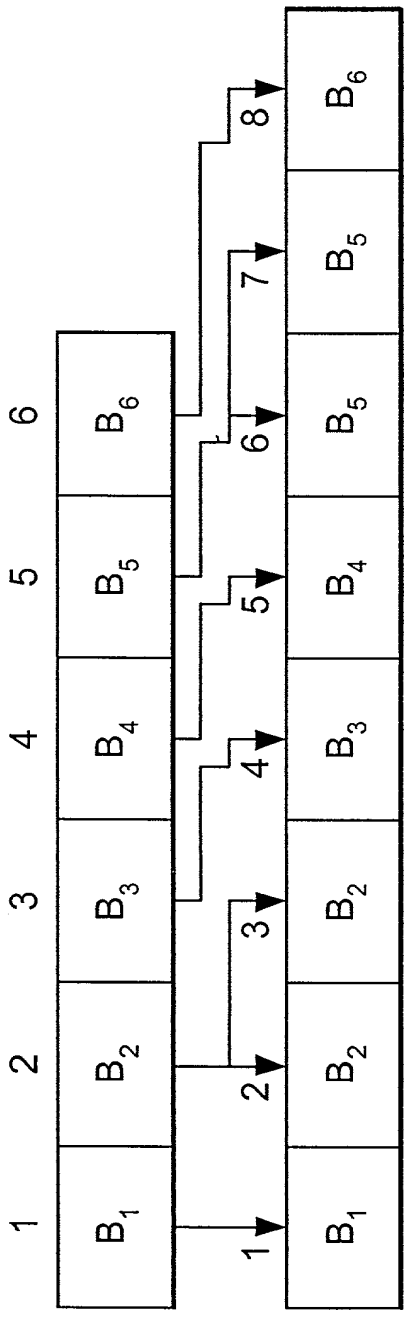
1
2
3
4
5
6
B_1
B_2
B_3
B_4
B_5
B_6
1
2
3
4
5
6
7
8
B_1
B_2
B_2
B_3
B_4
B_5
B_5
B_6

FIG. 5

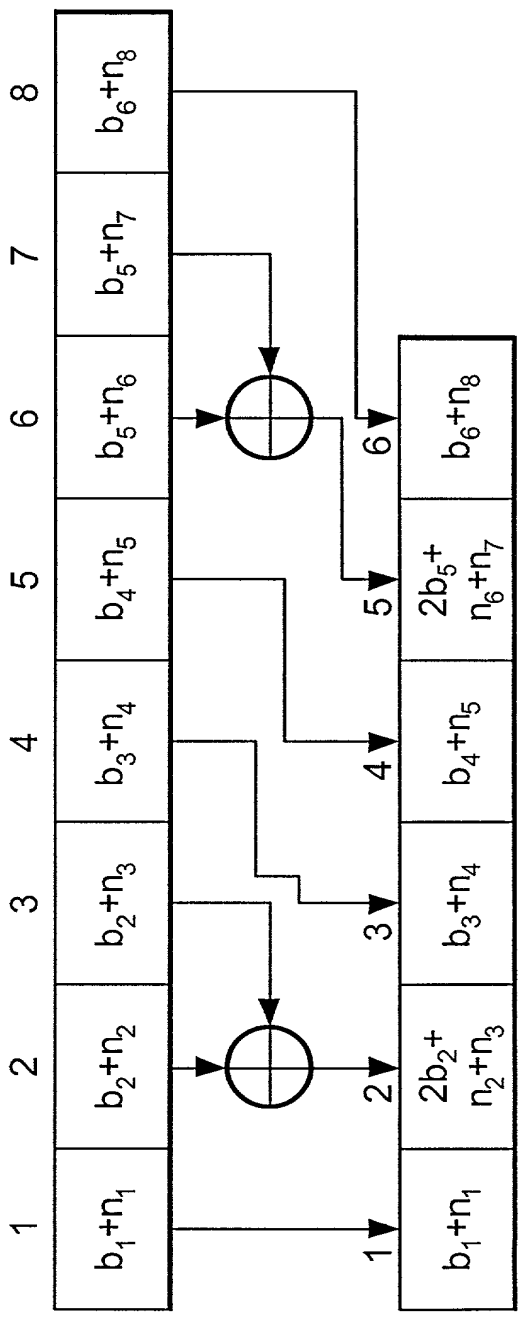
1
2
3
4
5
6
7
8
b_1+n_1
b_2+n_2
b_2+n_3
b_3+n_4
b_4+n_5
b_5+n_6
b_5+n_7
b_6+n_8
1
2
3
4
5
6
b_1+n_1
$2b_2+$ n_2+n_3
b_3+n_4
b_4+n_5
$2b_5+$ n_6+n_7
b_6+n_8

FIG. 6

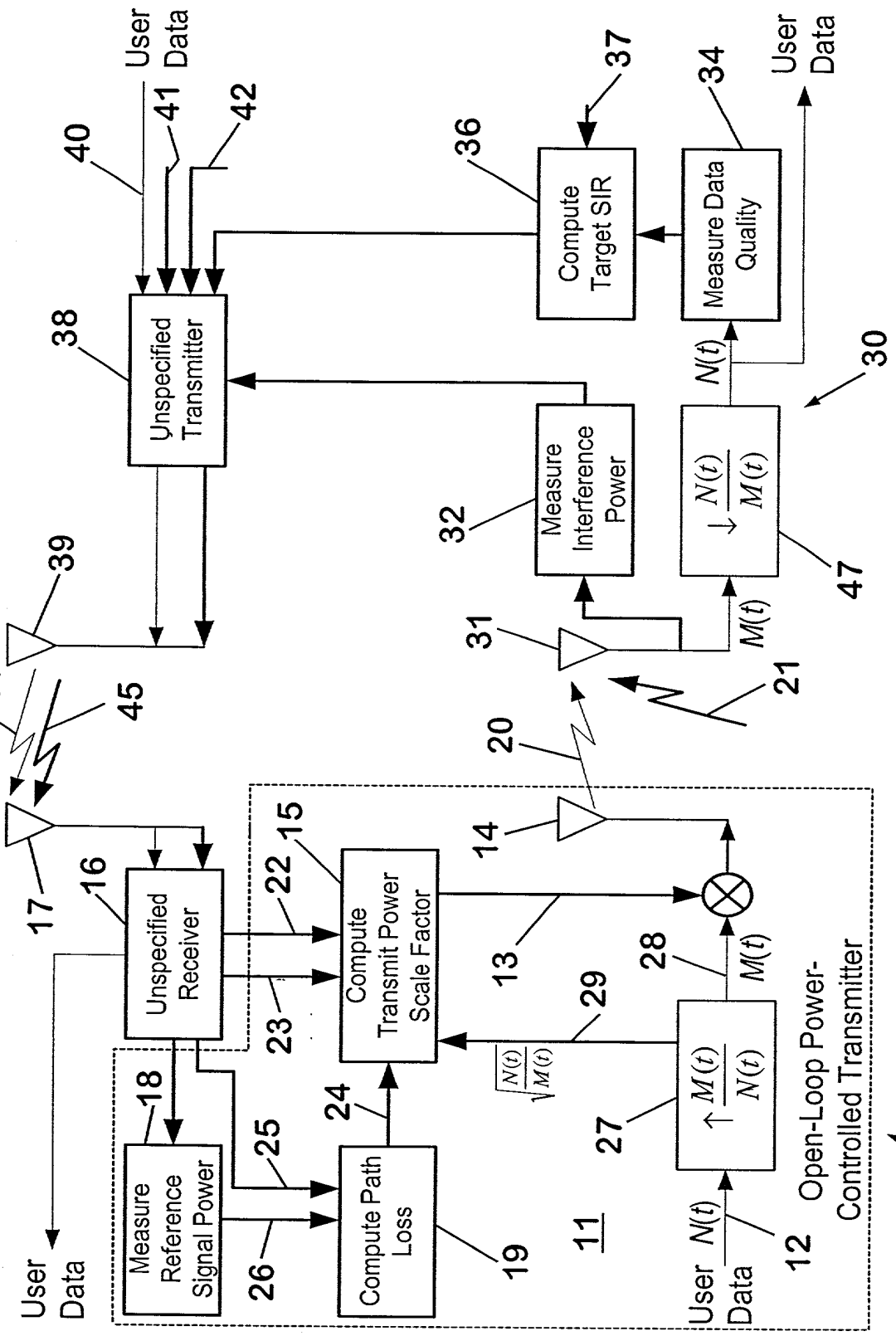
User Data
41
42
40
36
37
Compute Target SIR
Measure Data Quality
34
User Data
38
Unspecified Transmitter
32
Measure Interference Power
$\downarrow \frac{N(t)}{M(t)}$
47
30
$N(t)$
$M(t)$
39
31
21
44
45
20
17
16
Unspecified Receiver
22
15
Compute Transmit Power Scale Factor
14
13
28
29
23
$\sqrt{\frac{N(t)}{M(t)}}$
$M(t)$
18
25
24
27
$\uparrow \frac{M(t)}{N(t)}$
Measure Reference Signal Power
Compute Path Loss
26
19
11
User Data
$N(t)$
12
Open-Loop Power-Controlled Transmitter
10

FIG. 7

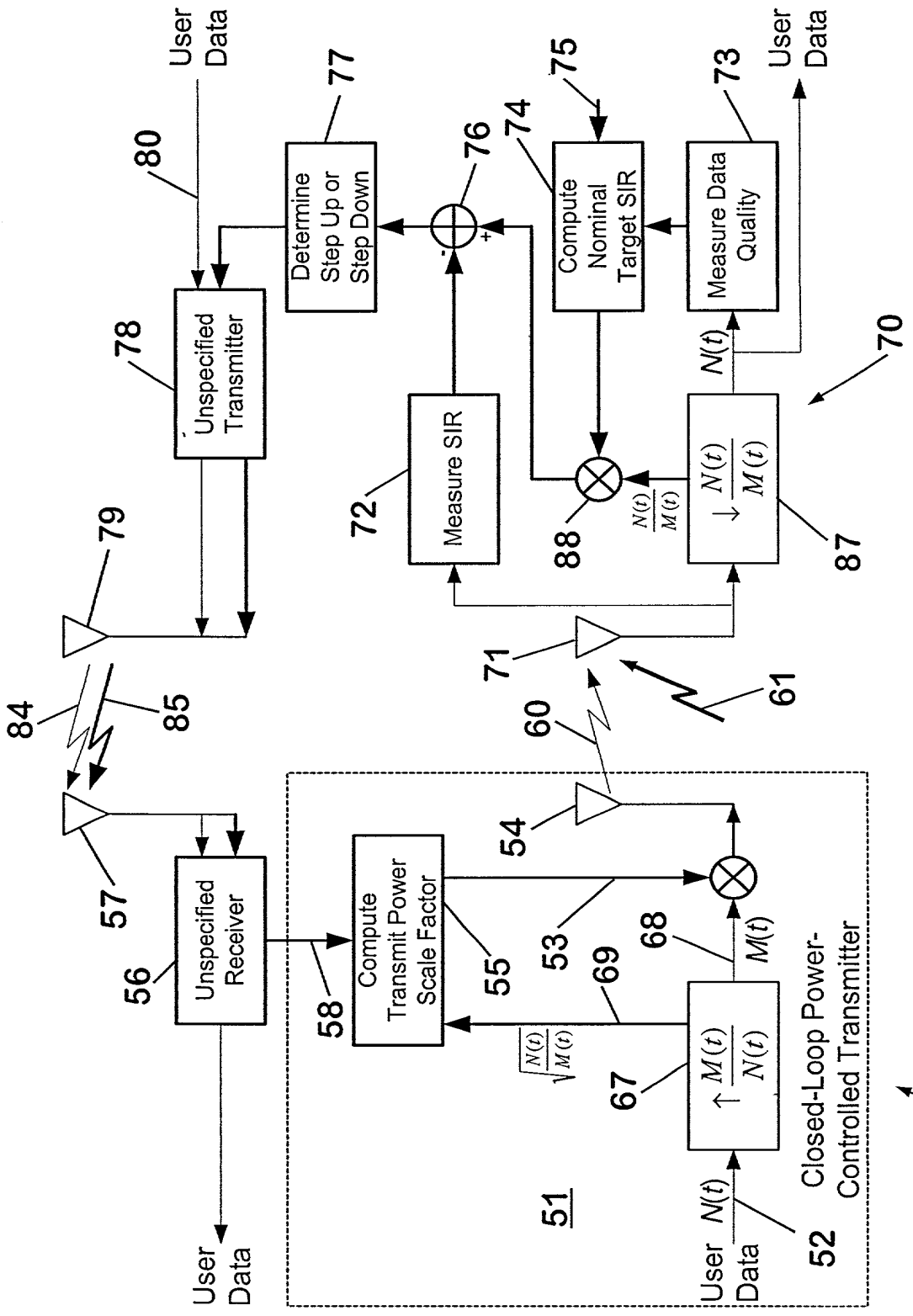
User Data
80
77
Determine Step Up or Step Down
76
74
75
Compute Nominal Target SIR
73
Measure Data Quality
User Data
78
Unspecified Transmitter
72
Measure SIR
88
$\frac{N(t)}{M(t)}$
$\downarrow \frac{N(t)}{M(t)}$
87
$N(t)$
70
79
71
61
84
85
60
57
54
Unspecified Receiver
56
58
Compute Transmit Power Scale Factor
55
53
68
$M(t)$
69
$\sqrt{\frac{N(t)}{M(t)}}$
67
$\uparrow \frac{M(t)}{N(t)}$
51
User Data
$N(t)$
52
Closed-Loop Power-Controlled Transmitter
50

FIG. 8